English

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English

Welcome !

Thank you for buying this Philips Compact Disc Recorder / Player Double Deck.

In the eighties Philips invented a new audio system - the CD. The CD (compact disc) revealed to you the new dimensions of digital sounds and added to the pleasures of audio.
Compact disc technology permits a high contrast in loud as well as in quiet passages, with perfect channel separation. Philips has now further developed compact disc technology and the result is the CD recorder.

With your Philips CD recorder/player, you can make your own high-quality audio CDs (subject only to legal restrictions on copying), either by recording at normal or high speed from the Player to the Recorder, or by recording from an external source. And naturally, you can also play all pre-recorded audio CDs, using one or both decks individually, or together as a 2-deck changer.

Note: In certain countries including the United Kingdom and certain commonwealth countries, use of the product (or CD Recorder) as shown or suggested in this user manual may require the permission of copyright holders.

About this manual

This manual gives instructions for operating this CD recorder where:
- the figures (**1**) throughout the text indicate a sequence of actions necessary to perform a certain operation;
- the arrows (➜) indicate the reaction from the recorder;
- the dots (•) indicate remarks, advice or special options within a sequence of actions. The dot-marked instructions are not necessary for the required operation.

Technical data

Subject to modification without notice.

General

Power consumption .....20 W
Power consumption in Standby .....6 W
Operating temperature .....5-35° C
Weight .....4.5 kg
Dimensions .....435 x 310 x 88 mm

Audio

Frequency response .....20Hz - 20000 Hz
Playback S/N (A-weighted) .....100 dB
Playback S/N ..... 100 dB
Playback dynamic range CDR .....95 dB (90 dB)
Playback dynamic range CD .....90 dB
Playback total harmonic distortion CDR.....88 dB = 0.0033 %
Playback total harmonic distortion CD.....85 dB = 0.0056 %
Channel separation .....100 dB
Recording S/N (A-weighted) .....98 dB
Recording S/N digital without SRC .....equal to source
Recording dynamic range.....92 dB
Recording total harmonic distortion + noise.....
.....85 dB (0.0056%)

Discs for recording

For recording use, special audio discs must be used (for music only). These Discs bear the logos as shown below. The text 'DIGITAL AUDIO' is present!

Your recorder uses two types of discs for recording purposes:

- **CD-Audio Recordable** (CDR) discs: fully recorded and finalised, these discs play on all CD players and recorders.

COMPACT disc DIGITAL AUDIO Recordable

- **CD-Audio ReWritable** (CDRW) discs: can be recorded, erased and re-recorded hundreds of times. When finalised, they play on **CDRW compatible CD players** and recorders. In the course of 1999 most Philips CD players and recorders will be CDRW compatible.

COMPACT disc DIGITAL AUDIO ReWritable

Important:
To ensure proper working of the set we recommend the use of **Philips** audio CDR and audio CDRW discs only.

Discs for playback

Your CD recorder is able to play:

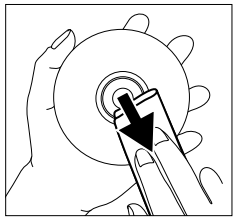
- All pre-recorded audio CDs.
- All Audio CDR and Audio CDRW.

Note: CDR(W) discs recorded with a computer can only be used when they are correctly treated according the audio standard (IEC958: Consumer part). Single session only!

Maintenance

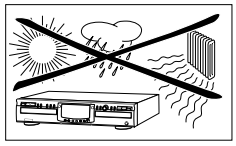
For recording it is very important to use dust and scratch free discs.

To clean a CD, wipe it in a straight line from the center toward the edge using a soft, lint-free cloth. A cleaning agent may damage the disc! Write only on the printed side of a CDR or CDRW, and only with a soft felt-tipped pen.



Clean the CD recorder with a soft, slightly dampened lint-free cloth. Do not use any cleaning agents as they may have a corrosive effect.

Do not expose the CD recorder, batteries or CDs to humidity, rain, sand or excessive heat (caused by heating equipment or direct sunlight).



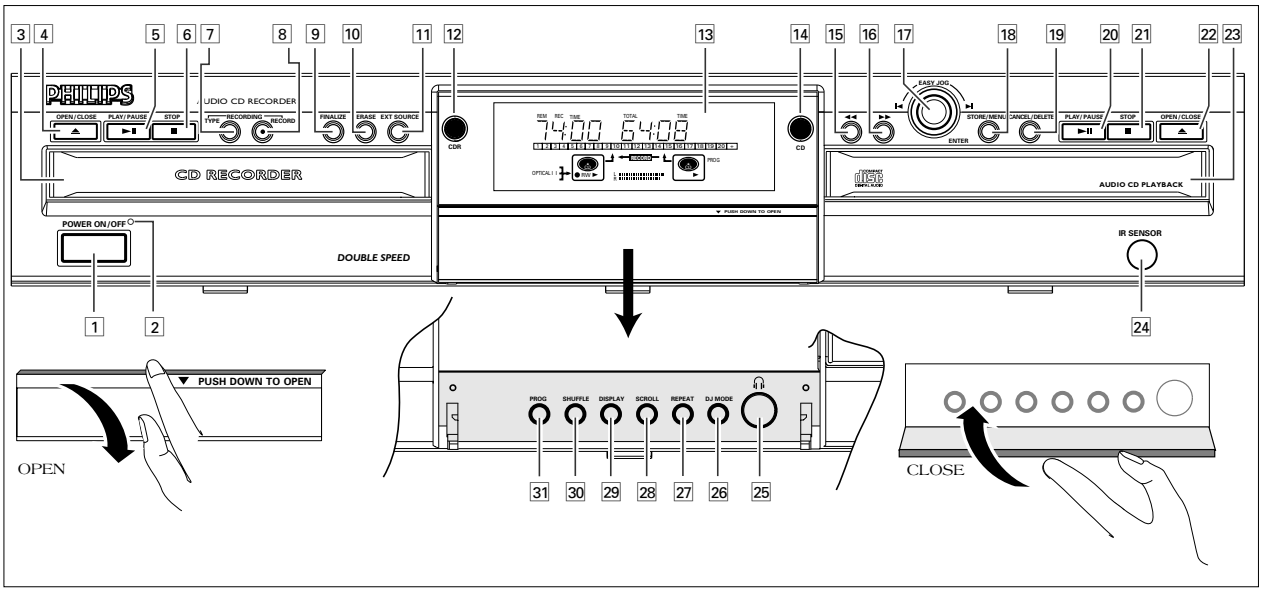
Always keep the tray closed to avoid dust on the lens.

The lenses may cloud over when the CD recorder is suddenly moved from cold to warm surroundings. It is not possible to play a CD then. Leave the CD recorder in a warm environment until the moisture evaporates.

Accessories

- 2 Analogue audio cables (with red and white plugs)
- 1 Digital coaxial cable (with black plugs)
- Power cord
- 2 Batteries
- Remote control
- Guarantee

English



Controls on the front

CD recorder

1 **POWER ON/OFF** .....turns the CD recorder ON or OFF (if the recorder is in Standby mode, any key press will activate the CD recorder)
2 Standby indicator
3 Disc tray
4 **OPEN/CLOSE ▲**.....opens/closes disc tray
5 **PLAY/PAUSE ▶ II** .....starts play/interrupts play or recording
6 **STOP ■**.....stops/clears a program
7 RECORDING-**TYPE** .....selects recording modes
8 RECORDING-**RECORD**...starts recording, finalising, erasing
9 **FINALIZE** .....selects finalise mode
10 **ERASE**.....selects erasing mode (disc or track)
11 **EXT SOURCE** .....selects external input source
12 **CDR** .....selects CD recorder deck display/keys

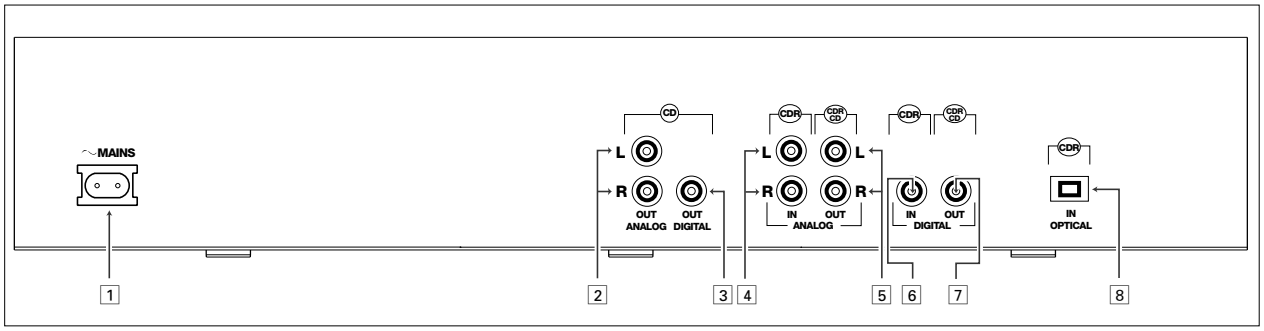
CD player

14 **CD** .....selects CD player deck display/keys
20 **PLAY/PAUSE ▶ II** .....starts play/interrupts play
21 **STOP ■**.....stops/clears a program
22 **OPEN/CLOSE ▲**.....opens/closes disc tray
23 Disc tray

General

13 Display.....information screen
15 ◀◀ .....- searches backward
- cursor control in Menu/Prog. review mode
16 ▶▶ .....- searches forward
- cursor control in Menu/Prog. review mode
17 I◀ **EASY JOG** ▶I .....- previous/next track (Play and Program mode)
(rotate) - recording level control (recording)
- selects settings (menu on)
ENTER.....- plays selected tracks
(push) - selects settings in Menu mode
- programs track numbers
18 **STORE/MENU** .....- enters Menu mode
- stores Menu settings
19 **CANCEL/DELETE** .....- deletes tracks from a program
- deletes text in Menu mode
- returns to a higher level in the menu
24 **IR sensor** .....receives signals from the remote control
25 🎧 .....socket for headphones
26 **DJ MODE** .....separate play of CD recorder deck and CD player deck
27 **REPEAT**.....repeats play (All, program or track)
28 **SCROLL**.....activates scrolling of text over the display (once)
29 **DISPLAY**.....selects display information, permanent text scrolling and time
30 **SHUFFLE**.....plays CD(RW) or program in random order
31 **PROG**(ram) .....opens/closes program memory

Note: Unless stated otherwise, all controls are on the front of the CD recorder. When provided on the remote control, you can also use the corresponding buttons, after selecting the CD recorder deck or CD player deck by pressing CDR or CD.



Connections at the back

1 Connection to power supply

2 **ANALOG OUT CD** .....connects CD player deck to the line input of an amplifier (left and right)

3 **DIGITAL OUT CD** .....connects CD player deck to the digital coaxial input of e.g. amplifier or recording device

4 **ANALOG IN** .....connects to the line output of an amplifier (left and right)

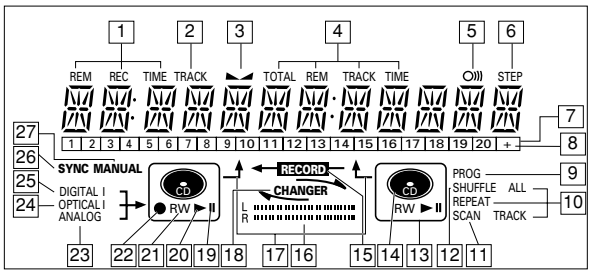
5 **ANALOG OUT CDR & CD**
.....connects to the line input of an amplifier (left and right)

6 **DIGITAL IN**.....connects to the digital coaxial output of an external CD player

7 **DIGITAL OUT CDR & CD**
.....connects to the digital coaxial input of e.g. amplifier or recording device

8 **OPTICAL IN** .....connects to the digital optical output of an external CD player

DISPLAY indications



1 **REM/REC TIME** .....remaining time/remaining recording time/recording time

2 **TRACK** .....track number

3 ◣◢.....balance (lights during balance adjustment)

4 **TOTAL REM**
TRACK TIME .....total or remaining time of disc or track

5 ○)))..... remote control active

6 **STEP** .....indicates the number of tracks in a program

7 **Track bar** .....indicates:
- tracks on a disc or in a program
- track in play

8 **+ 20** .....disc or program contains more than 20 tracks

9 **PROG**(ram) .....flashes during programming/lights in program mode

10 **REPEAT TRACK/ALL**..lights up when a track/ complete disc (or program) is repeated.

11 **SCAN** .....lights up when the first 10 seconds of each track are played.

12 **SHUFFLE**.....plays tracks in random order

13 ☐ .....CD player deck selected

14 ⬭ .....CD inserted (a pre-recorded CD or finalised CDR or CDRW disc)

15 ←**RECORD**– .....lights during recording from the internal CD

16 **L/R II II** .....record/play level bar. Indicates the audio signal level.

17 ⌟ ⌞ .....DJ mode selected

18 ⌒**CHANGER**⌒ ....changer mode selected

19 **II** .....pause function active

20 ▶ .....lights during play

21 **R(W)** .....unfinalised CDR(W) disc inserted

22 ● .....lights during recording

23 **ANALOG**.....- analogue input selected for external recording
- analogue recording

24 **OPTICAL I** .....optical input I selected for external recording

25 **DIGITAL I** .....digital input I selected for external recording

26 **SYNC** .....automatic or synchronised start of external recording

27 **MANUAL** .....manual start of external recording

English

DISPLAY messages

Messages, as listed and explained here, may appear on the display for your guidance.

General

READING .....reading disc information
OPEN.....during tray opening
CLOSE .....during tray closing
NO DISC .....no disc inserted, disc unreadable or disc inserted upside down
PROG FULL .....program full
INSERT DISC .....insert disc or insert disc in correct way
WRONG DISC .....inserted disc is not an audio CD
UNFINALIZED .....unfinalised CDR(W) disc
MEMORY xx% .....indicates the amount of text memory used for unfinalised discs

Recording

WAIT .....- when STOP ■ is pressed during recording
- when STOP ■ is pressed during recording the first 4 seconds of a track

UPDATE .....updating disc contents
DISC FULL .....no more recording possible
DIGITAL 1 .....digital coaxial input 1 selected
OPTICAL .....digital optical input selected
ANALOG .....analogue input selected
COPY PROTECT .....no digital recording can be made of the external source
NOTFINALIZED .....when opening the tray with an unfinalised disc inserted (CD recorder)
RECORD FAST .....High Speed recording selected
REC LISTEN.....Listen Speed recording selected
MAKE CD.....High Speed Recording of a complete disc and Auto Finalise function selected
REC EXT DISC .....Synchronised start of recording from external source selected
REC EXT MAN.....Manual start of recording from external source selected
-xx DB .....level is being adjusted
DOES NOT FIT .....time left on CDR(W) disc is not enough for proposed recording
ANALOG REC .....copy prohibited track found during recording. Track will be copied analogue (Copy Protection Regulations).
ERASE TRACK .....when erasing one or more tracks
ERASE DISC .....when erasing a disc
FINALIZE CD .....when finalising a disc
FINALIZED .....when trying to finalise an already finalised disc
CHECK INPUT .....when RECORD is pressed while no digital source is detected
xx xx ERASE.....time countdown when erasing a track or a disc
xx xx FINAL.....time countdown when finalising a disc
PRESS RECORD .....to start manual recording, finalising or erasing
START SOURCE .....to start synchronised recording from a source (e.g. CD player)
FINALIZED CD .....when trying to record on a finalised CDR or a prerecorded CD
UNFINALIZE/ PRESS ENTER .....when trying to record on a finalised CDRW
PROF SOURCE .....when a professional source is connected
REC TEXT .....when reading CD text from source disc for recording
TEXT PROTECT .....when CD text of source disc is subjected to copy protection (CD text will not be recorded)

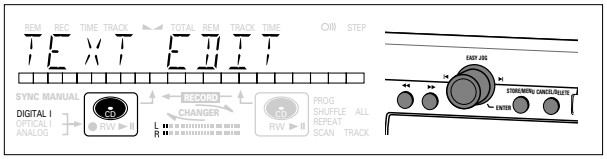
Play

CHANGER MODE .....CD changer-mode selected
DJ-MODE .....DJ- mode selected when recording keys are pressed in DJ-mode
PROGRAM.....program mode selected
ALBUM TITLE .....will be followed by album title
TRACK TITLE .....will be followed by track title
ALBUM ARTIST .....will be followed by artist name
TRACK ARTIST .....will be followed by track artist name

Others

NO AUDIO TR.....when the recorder enters a data track during recording
FINALIZE CD .....laser power calibration performed 96 times, finalise disc needed
INITIALIZING .....during laser power calibration for unfinalised discs
DISC RECOVER .....during disc recovering after power failure
OPC ERROR .....OPC failure during OPC procedure (OPC = Optimum Power Calibration)
RECORD ERROR .....recording error in menu mode
DISC ERROR .....when trying to record on or finalise a recovered disc
MEMORY FULL/ FINALIZE CD .....when text memory is full. To add a CD to the list, first finalise or erase another disc from the list.
NOT POSSIBLE .....when trying to erase a CDR

MENU messages - See Menu mode



Menu messages

NO TRACKS .....when attempting to edit text for a disc which has no tracks
TEXT EDIT .....when entering Text Edit mode
ALBUM ARTIST .....when editing or erasing an artist name
ALBUM TITLE .....when editing or erasing a title
ARTIST TR N.....when editing or erasing an artist name per track
TITLE TR N .....when editing or erasing a title per track
TEXT ERASE .....when entering Text Erase mode
ALL TEXT .....when entering All Text mode
ERASE OK .....when confirmation for erasing has to be given with ENTER key
ERASE ALL OK .....when confirmation for erasing has to be given with ENTER key
ERASE MEMORY .....when waiting for confirmation when erasing a disc
MEMORY VIEW .....when selecting text review per unfinalised disc in memory
MEMORY EMPTY .....when REVIEW is selected while no text is in memory
AUTO TRACK .....when selecting auto track increment ON or OFF
ON .....Auto Track increment on
OFF .....Auto Track increment off
SET BALANCE .....when selecting BALANCE
NO TEXT .....no text stored for disc

Connections general

For playback on the CD recorder (and/or CD player deck) the following outputs are present:
- Digital coaxial output (CD & CDR);
- Analogue output (CD & CDR).

We advise you to connect these to the TAPE or CDR input on your amplifier.

For external recording the following inputs are present:
- Digital optical input;
- Digital coaxial input;
- Analogue input.

For playback of CD player deck separately (DJ mode) from the CD recorder the following outputs are present:
- Digital coaxial output (CD);
- Analogue output (CD).

We advise you to connect these to the CD input on your amplifier.

The connections you make will depend upon the possibilities your audio equipment offers. Please refer to the user manuals for your other audio equipment first.

Digital recordings (optical or coaxial) give the best performance in audio and usability (e.g. auto-track).

(The digital optical connection is less sensitive to external disturbances).
If your equipment does not offer digital connections, the high quality Analogue-Digital-Convertor of your CD recorder will ensure very good audio performance when recordings are made from the analogue input.

Playback via the digital coaxial output of the CD recorder gives the best audio performance.
If your equipment does not offer digital connections, the high quality Digital-Analogue-Convertor of the CD recorder ensures a very good sound quality via the analogue output.

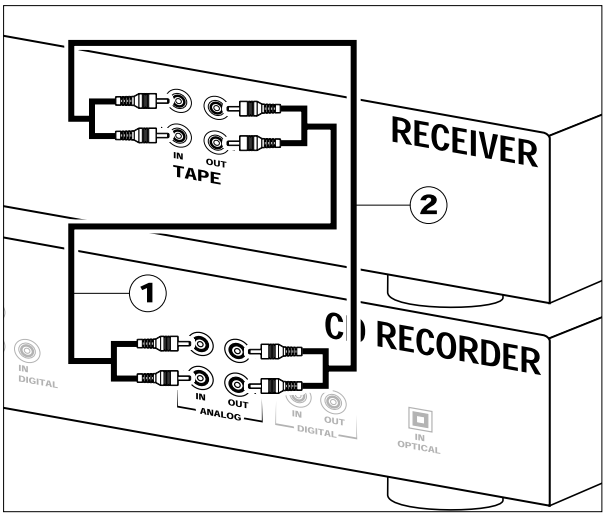
We advise you to always establish both digital and analogue connections. In this way you can always make analogue recordings when digital recording is not possible.

We have described the most common ways of connecting the CD recorder. If you still have difficulties with the connections you can always contact the Philips Consumer Service desk in your country.

English

Analogue connections CD recorder & CD player

This connection must be made for playback on the CD recorder deck as well as the CD player deck (cable ②). Cable ① is only required if you want to make recordings from an external analogue source.



Use the audio cables supplied. Connect the red plugs to the R sockets, and the white plugs to the L sockets.

1 For recording, connect cable ① between the ANALOG IN-sockets on the CD recorder and the CDR LINE- or TAPE OUT-sockets of an amplifier.

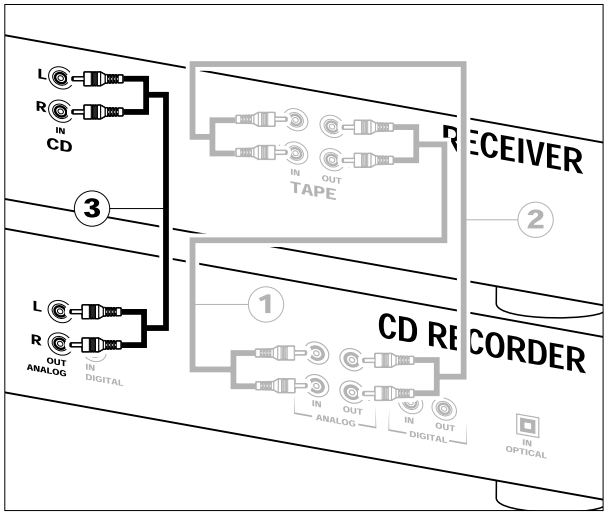
Note: For recording directly from a CD player, the analogue input of the CD recorder should be connected to the analogue output of the CD player.

2 For playback, connect cable ② between the ANALOG OUT-sockets on the CD recorder and the input sockets of an amplifier e.g. TAPE IN, CDR or AUX.

Note: Never use the PHONO input.

Analogue connections CD player deck

This connection is only required if you want to playback on the CD player deck separately from the CD recorder deck. This will be the case in DJ-mode.

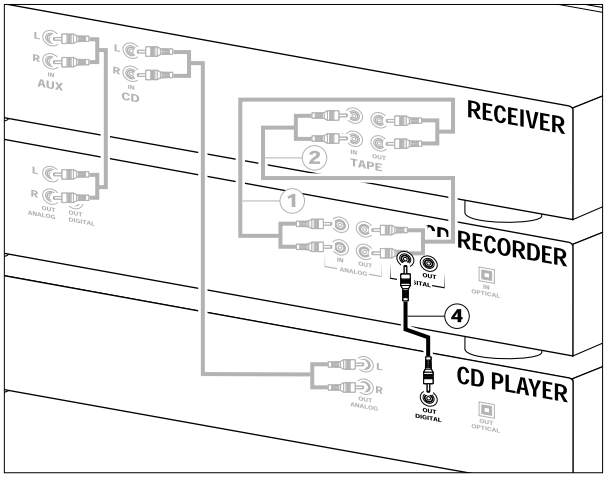


1 For separate playback on the CD player deck, connect a third cable ③ (not supplied) between the ANALOG OUT sockets of the CD recorder and the input sockets of an amplifier e.g. CD, or AUX.
(Connect the red plugs to the R sockets, and the white plugs to the L socket.)

Note:
- *Never use the PHONO input.*
- *Your CD recorder/player is equipped with a digital coaxial output for the CD player deck. This output can be used for digital playback.*

Digital coaxial connections CD recorder

This connection is only required if you want to make recordings from an external CD player with a digital coaxial output.



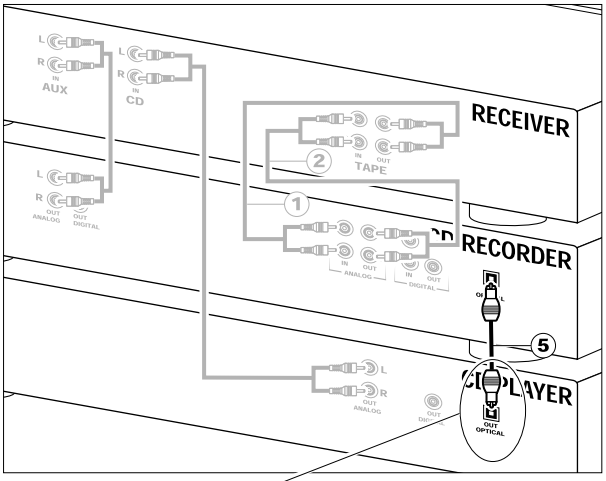
Use the digital coaxial cable supplied.

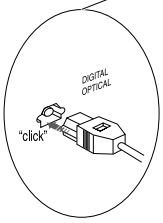
1 For external recording, connect the cable ④ between the DIGITAL IN-socket on the CD recorder and the DIGITAL OUT-socket of an external CD player.

Note: Your CD recorder is equipped with a digital coaxial output (common output for CD recorder & CD player deck). This output can be used for digital playback.

Digital optical connections CD recorder

This connection is only required if you want to make recordings from an external CD player with a digital optical output.





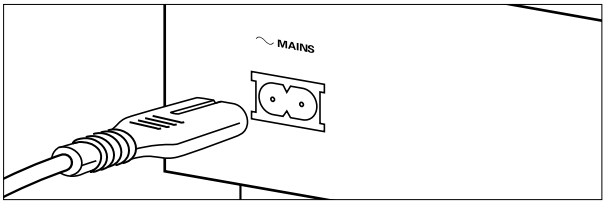
When connecting the Digital Optical cable, make sure it is fully inserted until there is a click.

1 Remove the dust caps from the digital optical connection. (We recommend you save the cap.)

2 For external recording, connect a fibre-optic cable ⑤ between the digital optical input of the CD recorder and the digital-optical output of an external CD player.

Note: For playback, the digital coaxial outputs or analogue outputs of the CD Player and CD recorder should be connected to an amplifier

Power supply



1 Plug the power cord supplied into the MAINS connector on the CD recorder, then into a mains socket.

2 Press POWER ON/OFF.
➜The CD recorder will switched on.

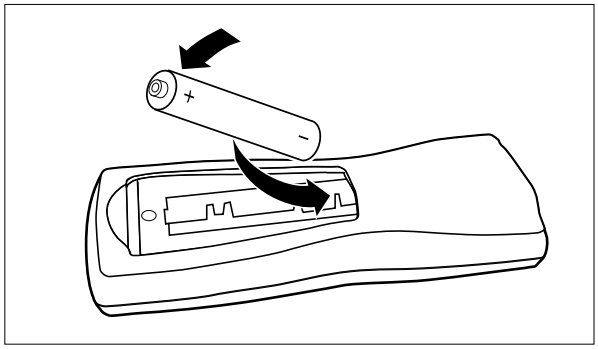
Note:
- *If the CD recorder is in Standby mode (red led on), press any key to activate the recorder.*
- *The CD recorder will automatically adjust to the local mains voltage.*
- *When the CD recorder is in the 'OFF' position, it is still consuming some power. If you wish to disconnect your player completely from the mains, withdraw the plug from the AC outlet.*

Setup recommendations

- Place the CD recorder on a solid, vibration free surface.
- Do not place the CD recorder near a source of heat or in direct sunlight.
- Do not use the CD recorder under extremely damp conditions.
- If the CD recorder is placed in a cabinet, make sure that a 2.5 cm space remains free on all sides of the CD recorder/player for proper ventilation.

Important:
- Do not put the CD recorder on top of other equipment that heats up the CD recorder (e.g. receiver or amplifier).

Inserting batteries in the remote control



1 Open the battery compartment cover.

2 Insert 2 batteries ("AA", LR-6 or UM-3; as supplied) as shown.

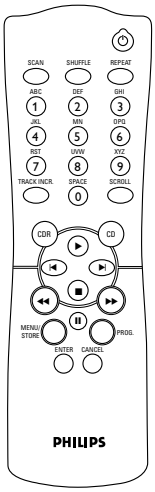
3 Replace the cover.

Note: We recommend you use 2 batteries of the same type and condition.

Batteries contain chemical substances, so they should be disposed of properly.

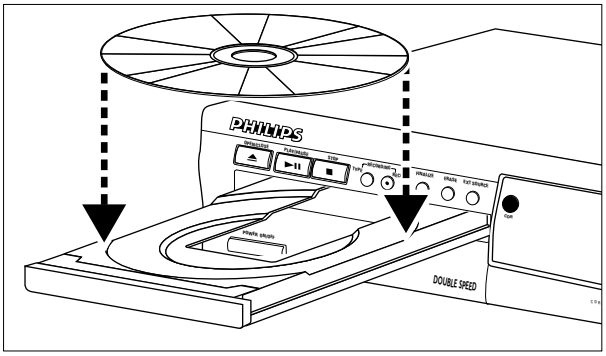
English

Remote control commands



STANDBY ⏻ .....switches to Standby/On
SCAN .....plays the first 10 seconds of each track
SHUFFLE.....plays CD(RW) or program in random order
REPEAT.....repeat play
Number/alphabet keys 0 - 9
.....- selects a track by number
- selects character for text input
TRACK INCR(ement) .....increases track numbers during recording
SPACE.....inserts a space character during text input
SCROLL.....activates scrolling of text over the display
CDR .....selects CD recorder deck
CD .....selects CD player deck
▶ .....starts CD(RW) play
⏮ .....- previous track (Play and Program mode)
- cursor control in Menu/Prog. review mode
⏭ .....- next track (Play and Program mode)
- cursor control in Menu/Prog. review mode
■ .....stops CD(RW) and clears a program
◀◀ .....searches backward
▶▶ .....searches forward
II .....interrupts CD(RW) play/recording
MENU/STORE .....- enters Menu mode
- stores Menu settings
PROG.(ram) .....opens/closes program memory
ENTER.....- selects settings in Menu mode
- programs track numbers
- starts playback of selected track
CANCEL .....- deletes tracks from a program
- deletes text in Menu mode
- returns to a higher level in the menu

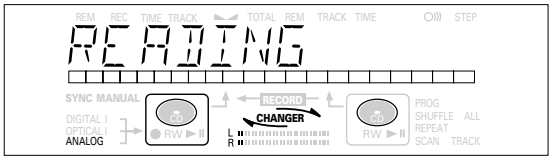
Inserting discs



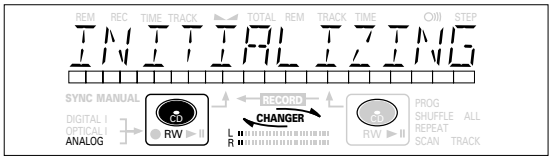
1 Press OPEN/CLOSE to open the disc tray.
➜ *OPEN* lights up.

2 Insert a CD, CDR or CDRW in the appropriate recess in the tray, label side up.

3 Press OPEN/CLOSE to close the tray (see also Playing a CD).
➜ *CLOSE* lights up, followed by *READING* and the display will show the type of disc you inserted.

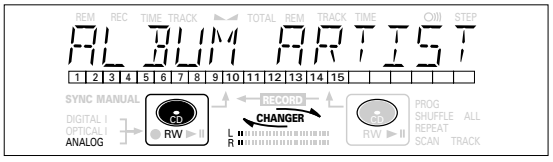


- If you insert a blank or partly-recorded CDR or unfinalised CDRW, the CD recorder will calibrate the disc for optimum recording. During this process the display will first show *INITIALIZING* and then the number of audio tracks. Calibration can take up to 25 seconds.



- If a CDR(W) is finalised it will show **CD** on the display.

- If CD-text is available the TITLE/ARTIST will scroll by.



Note:
- Only Audio CDs will be accepted. If a non-audio disc is inserted, the display shows WRONG DISC / USE AUDIO CD.
- Reading an unfinalised disc in the CD recorder deck could take approximately 1 minute
- For recording it is important that the blank disc is completely free from dust particles or scratches. (see maintenance).

English

Remarks about recording

You will soon discover how easy it is to make your own CDs. Nevertheless, it is advisable to use a CDRW disc for your first try.
We will describe:
- Recording from internal CD player deck: high speed or listen mode.
- Recording from an external CD player deck: synchronised start with CD player or manual start. (analogue or digital)

- If the disc is a CDRW and is already finalised you must unfinalise it first.

- The recording procedure is the same for CDRs and CDRWs.

- If the disc already contains recordings, the CD recorder will automatically search for the end of the last track, so that recording can start from there.

- CD text can be added to a recording in Stop mode and during recording.

- CD text can not be recorded from an external CD player. (Text information is not available on the output of the CD player.)

- The CD recorder deck is able to record CD text from the internal CD player deck. (If not subjected to copy protection.) This may take up to 2 minutes.

- There must be at least 7 seconds of recording time left on the disc, otherwise you will not be able to enter record standby mode. DOES NOT FIT then lights up.

- If the display indicates COPY PROTECT, no digital recording can be made of the source material. Recording will not start.

- The **Serial Copy Management System** (SCMS) only allows digital recording under specific conditions:
  - This means that it is not possible to make a digital copy from a digital copy.
  - Analogue recording is always possible !
  - The number of recordings from the original is unlimited.

- A maximum of 99 tracks can be recorded on a disc. Minimum allowable track length is 4 seconds.

- Recordings from DAT or DCC players will not always stop automatically.

Important:
If you want to play the recorded CDR disc on any regular CD player, it must first be finalised. See finalising discs.

Finalised CDRW discs play only on CDRW compatible CD players.

For recording from CD changers always use REC EXT DISC***.***

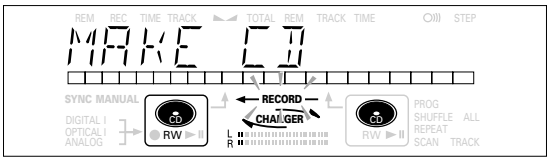
Recording modes

Your recorder offers several recording modes.

For recording from internal CD-deck:

- *RECORD FAST* (high speed digital recording) - fast recording of a disc or programmed tracks.
- *REC LISTEN* (normal speed digital recording) - listening to a recording while making it.
- *MAKE CD* (high speed digital recording and auto-finalise) - fast recording of a disc or programmed tracks. Recording will be finalised automatically.

Warning: *No more recording possible after finalising CDR disc!*



For recording from external sources:

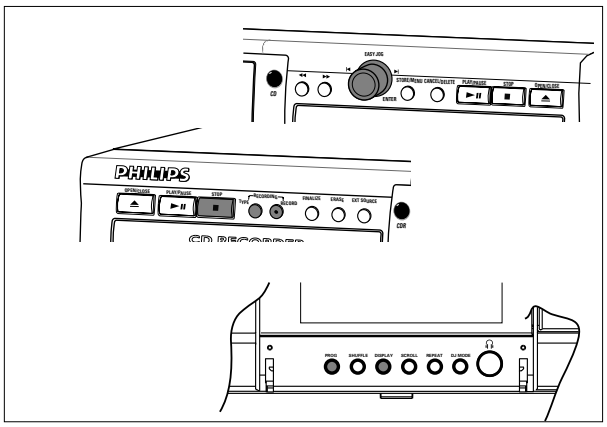
- *REC EXT DISC* (automatic start of recording) - to make an automatic recording of an external source simply by starting the source.
- *REC EXT MAN* (manual start of recording) - to start a manual recording from an external source.

Some remarks on recording:

- During high speed recording, the original recording quality will be maintained.
- When Auto track is on (default setting), track numbers will automatically be increased during recording.
- By programming tracks first, a compilation can be recorded.
- If a finalised CD recordable disc is inserted in the CD recorder, FINALIZED CD will be displayed when RECORDING-TYPE is pressed. Recording is not possible.
- If a finalised CD rewritable disc is inserted in the CD recorder, UNFINALIZE and PRESS ENTER will be displayed when the RECORDING-TYPE is pressed. If ENTER is pressed, the disc will be unfinalised.

Note: If during recording ANALOG REC *appears, the track will be recorded as analogue, at normal speed. All other tracks will be copied normally (at double speed).*

High speed recording from internal CD player



During high speed recording the sound is not audible.

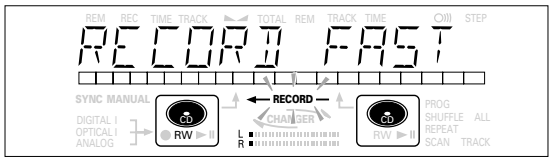
Preparing for high speed recording

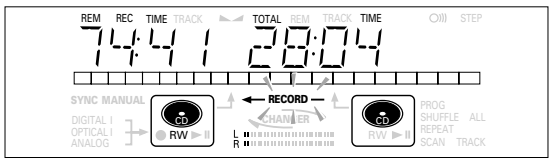
1 Make sure that the recording disc is absolutely free of scratches and dust particles.

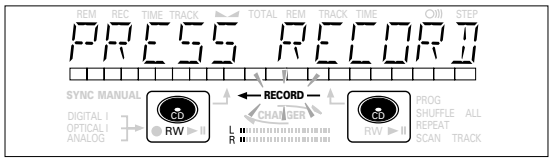
2 Press RECORDING-TYPE to choose the type of recording:

once: to select '*RECORD FAST*' if you wish to make a fast recording of a disc or programmed tracks;
three times: to select '*MAKE CD*' if you wish to make a fast recording of a disc or programmed tracks and to automatically finalise the recording.

➜ The display first shows the selection.
The ←**RECORD**— label starts blinking. After 3 seconds the display shows the remaining CDR(W) recording time on the left and total time of source on the right. (every 2 seconds *PRESS RECORD* is displayed.) The left selection indicator is lit.







• If *DOES NOT FIT* appears on the display, there is not enough recording space left on the CDR(W) disc.
You can press RECORDING-RECORD: only complete tracks that still fit on the CDR(W) will recorded.

or

You can press PROG to select one or more tracks for recording (see programming):
- rotate the EASY JOG/ENTER key to the required track number, then press the key (or ENTER on the remote control)
or
- directly select the track number via the 10-keypad on the remote control then press the ENTER key to confirm your selection and go to the next step.

Start high speed recording

1 Press RECORDING-RECORD to start recording.
➜ *WAIT* lights up. The display shows the total remaining time for the selected recording. High speed recording starts. ←**RECORD**— lights continuously.

• To check the track number and track time, press DISPLAY. This can be done during recording.

• Recording will stop automatically.

Note: Copy prohibited tracks will be copied analogue.
ANALOG REC is displayed.

2 To stop recording manually, press STOP.
➜ *UPDATE* lights up, ←**RECORD**— goes out and recording stops. (Minimal track length must be 4 seconds otherwise silence will be added to the track.)

• If STOP was pressed within 3 seconds after RECORDING-RECORD, no recording will take place.

After recording, the display shows *UPDATE* for several seconds. The Total time indications can differ slightly. However, no music information is lost.

Note: In this Recording mode, the Pause function is not operative.

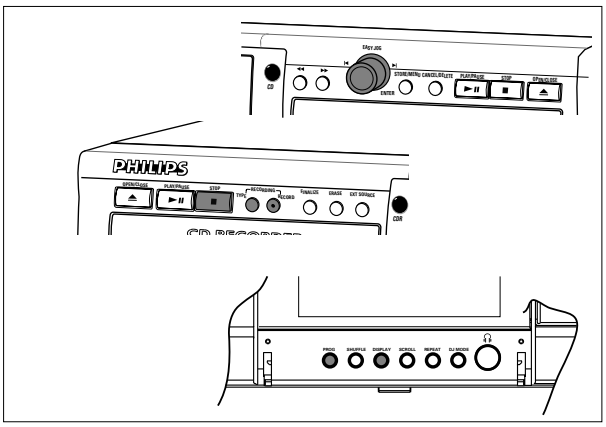
Important:

If you want to play the recorded CDR disc on any regular CD player, it must first be finalised. See finalising discs.

Finalised CDRW discs play only on CDRW compatible CD players.

English

Listen mode recording from internal CD player

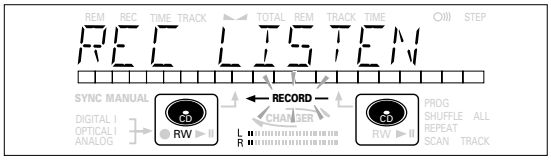


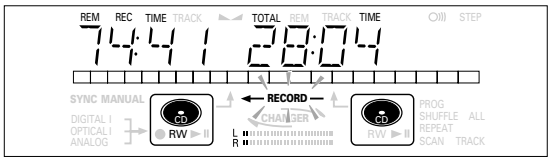
During Listen mode recording you listen to the recording while you are making it.

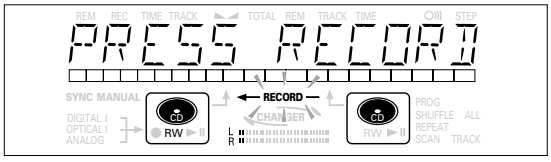
Preparing for Listen mode recording

1 Make sure that the recording disc is absolutely free of scratches and dust particles.

2 For recording, press RECORDING-TYPE twice:
➜ the display first shows the selection.
the ←**RECORD**— label starts blinking. After 3 seconds the display shows the remaining CDR(W) recording time on the left and total time of source on the right. (every 2 seconds PRESS RECORD is displayed) The left selection indicator is lit.







• If DOES NOT FIT appears on the display, there is not enough recording space left on the CDR(W) disc.
You can press RECORDING-RECORD: only complete tracks that still fit on the CDR(W) will recorded.
or
You can press PROG to select one or more tracks for recording (see programming):
- rotate the EASY JOG/ENTER key to the required track number, then press the key (or ENTER on the remote control)
or
- directly select the track number via the 10-keypad on the remote control then press the ENTER key to confirm your selection and go to the next step.

3 Play the source first to set the optimal recording level on the CD recorder.

4 Rotate the EASY JOG/ENTER key until, on the Record/Play Level bar, all the blue segments are alight, but the red segments do not light continuously during the loudest passages.
➜ Display shows -- xx DB (Decibel, e.g. -3DB).

5 Stop the source.

Start Listen mode recording

1 To start recording, press RECORDING-RECORD.
➜ WAIT lights up. ←**RECORD**— lights continuously and the selected track or program is copied at normal speed. The track number and the recording time left will appear.

• To check the track time, press DISPLAY. This can be done during recording.

• Recording will stop automatically.

Note: Copy prohibited tracks will be copied analogue.
ANALOG REC is displayed.

2 To stop recording, press STOP.
➜ UPDATE lights up, ←**RECORD**— goes out and recording stops. (Minimal track length must be 4 seconds otherwise silence will be added to the track.)

• If STOP was pressed within 3 seconds after RECORDING-RECORD, no recording will take place.

After recording, the display shows UPDATE for several seconds. The Total time indications can differ slightly. However, no music information is lost.

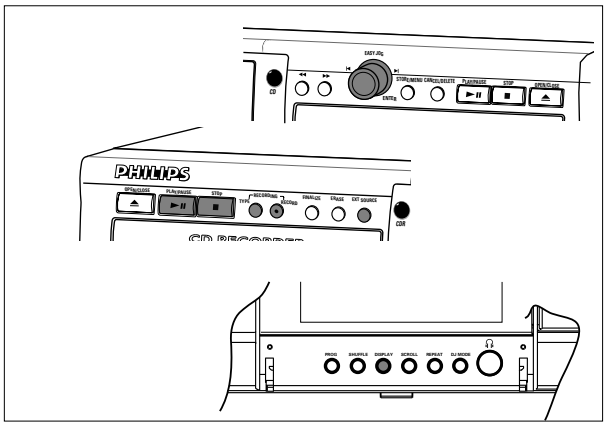
Note: In this Recording mode, the Pause function is not operative.

Important:
If you want to play the recorded CDR disc on any regular CD player, it must first be finalised. See finalising discs.

Finalised CDRW discs play only on CDRW compatible CD players.

English

Manual recording from external CD player



Important:

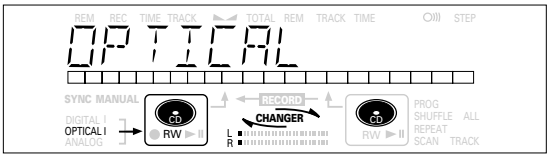
- Recording from CD-changers should always be started in the Auto-Start mode.

- Only make analogue recordings when digital recording is not possible.

Preparing for manual recording

1 Make sure the disc is absolutely free of scratches and dust particles.

2 Press EXT(ernal) SOURCE repeatedly until (depending on the connection used):
➜ DIGITAL I, OPTICAL I or ANALOG lights up and DIGITAL 1, OPTICAL or ANALOG appears on the display.



- When Auto Track is On (default setting), track numbers will automatically be increased during recording.
- To switch off the Auto Track function you have to enter Menu mode.
  If you wish to increase track numbers manually, press TRACK INCR(ement) on the remote control. For further instructions see Menu mode.

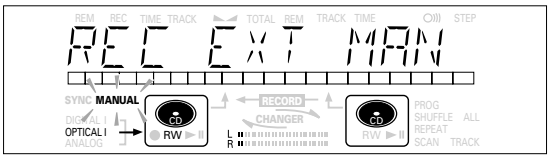
ON (AUTO): The track increments are automatically taken over from the digital source material or after 2.7 seconds silence during analogue recording.

OFF (MANUAL): While recording track numbers can be incremented manually by pressing TRACK INCR(ement) on the remote control. (Minimum track length is 4 sec.) (This can also be done in Auto track ON mode.)

- Track numbers cannot be changed after recording.

Note: Auto track works only with Consumer Sources with a digital output signal according to the IEC 958 (consumer part) audio standard.

3 With the recorder stopped, press RECORDING-TYPE five times to enter the Manual Record standby mode.
➜ **MANUAL** starts to flash and the display shows REC EXT MAN followed by WAIT. After a few seconds PRESS RECORD followed by the remaining time and track number appear on the display.



4 Play the source first to set the optimal recording level on the CD recorder.

5 Rotate the EASY JOG/ENTER key until, on the Record/Play Level bar, all the blue segments are alight, but the red segments do not light continuously during the loudest passages.
➜ Display shows -- xx DB (Decibel, e.g. -30B).

6 Stop the source.

Start manual recording

1 To start recording, press RECORDING-RECORD on the CD recorder and immediately start the source (from Pause or Stop-mode).
➜ ↳ lights continuously. The track number and recording time left appear on the display.

- If CHECK INPUT message also flashes, the digital connection is incorrect.
- To record a 3-second silence at the start of a track, press PAUSE on the CD recorder before starting the source.
- To check the total remaining recording time, press DISPLAY on the CD recorder. (This can also be done during the recording.)

2 To stop recording, press STOP on the CD recorder.
➜ UPDATE lights up and ↳ goes out.

- If STOP was pressed within 3 seconds after RECORDING-RECORD, no recording will take place.
- To interrupt recording, press PAUSE on the CD recorder. ↳ starts to flash. Press PAUSE again to restart recording. (A new track will always be made.)

After recording the display will show UPDATE for several seconds.

Note: With AUTO TRACK ON, the recorder will stop and go to REC STANDBY for 1 minute and then goes to Stop mode automatically. Recordings from DAT, DCC or recordings made analogously will stop after 20 seconds silence. With AUTO TRACK OFF, the auto stop mode is disabled.

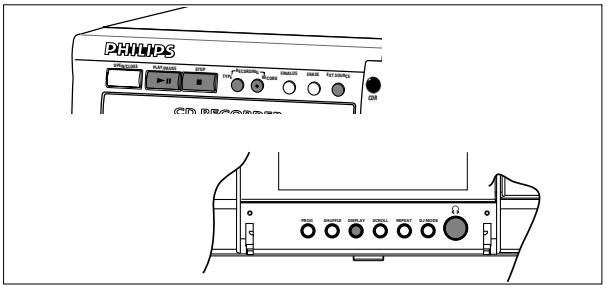
Important:

If you want to play the recorded CDR disc on any regular CD player, it must first be finalised. See finalising discs.

Finalised CDRW discs play only on CDRW compatible CD players.

English

Autostart recording from external CD player CD-SYNC

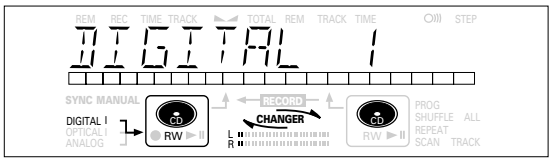


The CD-SYNC feature enables you to make fast and easy recordings of a CD. Track increments are automatically detected from the source material. Track increments cannot be added manually. In analog source material a silence of 2.7 seconds or more is automatically detected as a track increment.

Preparing for autostart recording

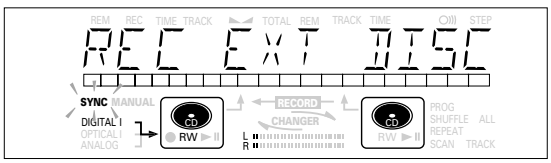
1 Make sure the disc is absolutely free of scratches and dust particles.

2 Press EXT(ernal) SOURCE repeatedly until (depending on the digital connection used):
➜ DIGITAL I, OPTICAL I or ANALOG lights up and DIGITAL 1, OPTICAL or ANALOG appears on the display.



3 With the CD recorder stopped, press RECORDING-TYPE four times:

if you wish to record a complete disc or program.
➜ ↳ and **SYNC** start to flash and the display shows REC EXT DISC and WAIT followed by the track number, the total remaining time and START SOURCE.



- If input label (DIGITAL I) flashes, the digital connection is incorrect.

Start autostart recording

1 To start recording, press PLAY on the selected source.
➜ The CD recorder automatically starts to record and ↳ lights continuously. The track number and track time appear on the display.

- If, however, you start the source during a track, CD-SYNC recording starts at the beginning of the next track or after 2.7 seconds of silence in analogue recordings.

- To check the remaining recording time on the CDR(W), press DISPLAY. (This can also be done during recording)

- The EASY JOG/ENTER key can be used to adjust the recording level.

- The recorder stops automatically.

2 To stop recording manually, press STOP on the CD recorder.
➜ UPDATE lights up and **SYNC** and ↳ go out.

- If STOP ■ was pressed within 3 seconds after pressing PLAY, no recording will take place.

- To interrupt recording, press PAUSE on the CD recorder.
➜ ↳ starts to flash. (Autostart recording is disabled.) To resume, press RECORDING-RECORD on the CD recorder.

After recording the display will show UPDATE for several seconds.

Note:
- Recordings from DAT, DCC or analogue sources will only stop after 20 seconds silence.
- Auto track is always active.

Important:
If you want to play the recorded CDR disc on any regular CD player, it must first be finalised. See finalising discs.

Finalised CDRW discs play only on CDRW compatible CD players.

For recording from CD changers always use REC EXT DISC***.***

Finalising CDR & CDRW discs

During finalising the Table of Contents (TOC) is written to the disc.

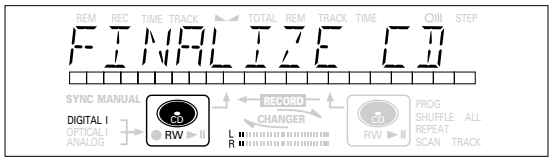
Finalising is a simple procedure, necessary to:
- be able to play recordings on a CD PLAYER,
- avoid further unwanted recordings on a disc,
- avoid erasure of tracks on a CDRW,
- write CD text on a CDR(W).

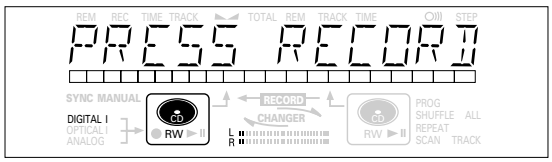
Auto finalising
Auto finalising is possible when using the MAKE CD recording function.

Manual finalising

1 Make sure the disc (in the CD recorder deck) is absolutely free of scratches and dust particles.

2 With the recorder stopped press FINALIZE.
➜ The display shows FINALIZE CD and PRESS RECORD.





3 Press RECORDING-RECORD.
➜ xx xx FINAL and the approximate finalization time appears on the display.
The display counts down through the finalization.
On completion, the total number of tracks and the total time recorded appears on the display.
For CDR(W), changes to on display.

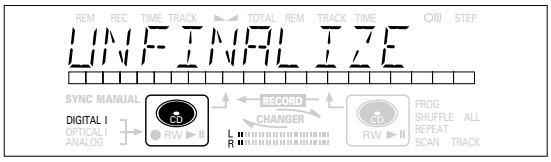
Finalising will take at least 2 - 4 minutes.

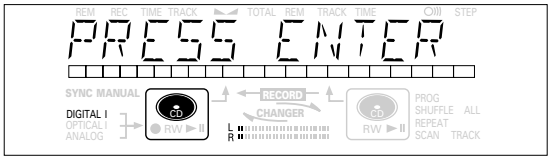
Note:
- During finalization, the CD recorder accepts no operating commands.
- When a CDR is finalised no more recordings can be added.

Unfinalising CDRW discs

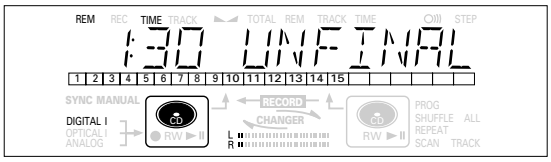
For CDRW discs only.
If you want to make more recordings (or erasure of tracks) on a finalised disc you must unfinalise it first. The Table of Contents (TOC) will be removed. (This is not possible for CDR discs.)
To unfinalise:

1 With the CD recorder stopped, press RECORDING-TYPE or ERASE.
➜ UNFINALIZE and PRESS ENTER will appear on the display.





2 Press JOG (ENTER).
➜ The disc will now be unfinalised and can be recorded on again and the Recording or Erasure mode is entered.

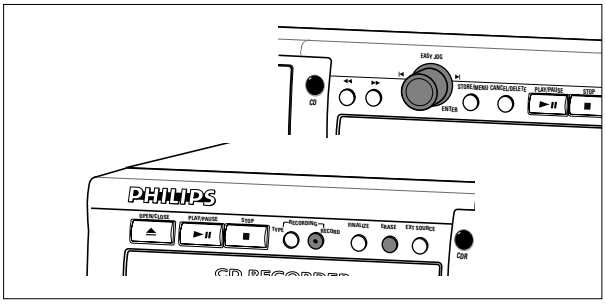


3 You can now start recording or erasing. If no further recording or erasure is required press STOP ■.

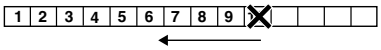
Note:
- Unfinalising will take approximately 1 minute 30 seconds.
- When unfinalising a CDRW disc with text on it available, this text will be transferred to the CD recorder memory. It may occur that the text memory is full. The message MEMORY FULL/FINALIZE CD will be displayed. To empty the recorders text memory you have to erase text from it. This can be done in two ways:
1) Finalise one or more unfinalised discs for which CD text is available.
2) Delete text of unfinalised discs with the 'memory view' option in the Menu mode.

English

Erasing CDRW discs



For unfinalised CDRW discs only.
You can erase:
- Tracks can only be erased from the end.



- With the EASY JOG you can erase more tracks.

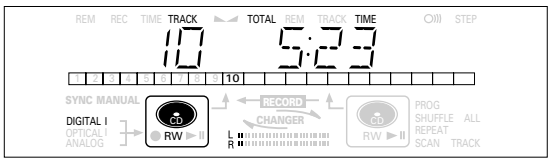
Note: It is not possible to erase tracks within the sequence.
- It is also possible to erase the entire disc at once.

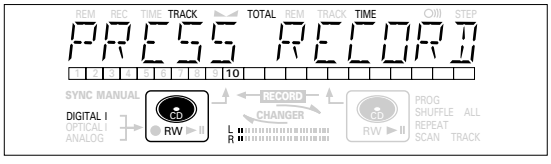
To erase one or more tracks from the end:

1 Press ERASE once.
➜ The display shows the number of tracks and their total playing time. ERASE TRACK and PRESS RECORD lights up.

• If the disc is finalised, **CD** appears on the display after inserting a CDRW in the recorder. The recorder will ask you to confirm unfinalising first. Confirm by pressing the EASY JOG/ENTER key or ENTER on the remote control.

2 Select the track(s) you wish to erase by turning the EASY JOG/ENTER key to the left.
➜ The selected track numbers start blinking on the track bar.
➜ The display shows the remaining time after erasing the selected track(s), the shown track will also be included in the erasure of tracks.



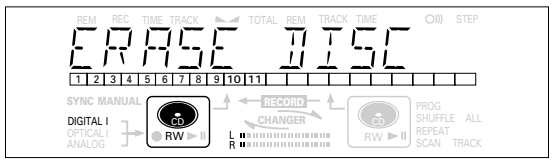


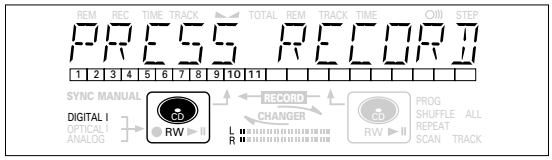
3 Press RECORDING-RECORD.
➜ The display shows the total countdown time and ERASE.
➜ After the selected track(s) have erased, the display shows the remaining tracks and their total playing time.

To erase the entire disc:

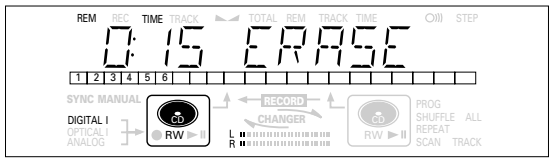
1 Press ERASE twice.
➜ The display shows the number of tracks and their total playing time. ERASE DISC and PRESS RECORD light up.

• If the disc is finalised, **CD** appears on the display after inserting a CDRW in the recorder. The recorder will ask you to confirm unfinalising first. Confirm by pressing the EASY JOG/ENTER key or ENTER on the remote control.





2 Press RECORDING-RECORD.
➜ The display shows the total countdown time and ERASE The complete disc will be erased.

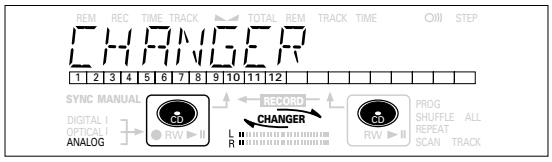


Erasure of a complete disc may take up to 15 seconds.

Play a 2-disc changer (Changer mode)

Your CD recorder is able to play the two decks sequentially (CHANGER mode). This is the default setting.

1 Select Changer mode using the DJ MODE key.
➜ CHANGER appears on the display and
CHANGER lights up.



2 On the deck you want to play, press PLAY/PAUSE ▶ II to start CD play.
➜ ▶ lights up, the track number and track time of the track in play appear on the display.
➜ After playing the first disc the second disc will automatically be played.

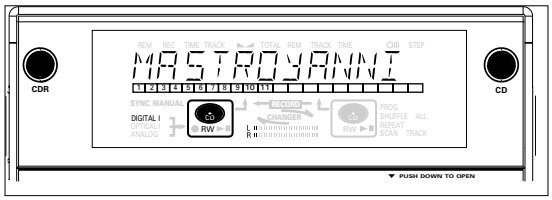
- Press DISPLAY once, twice or three times to see:
➜ Remaining track time, total remaining time, permanent text information (see Menu mode).

- To interrupt play temporarily, press PLAY/PAUSE ▶ II again.
➜ II lights on the display.

- To continue play, press PLAY/PAUSE ▶ II again.

3 To stop play, press STOP ■.
➜ The number of tracks and the total playing time appear on the display.

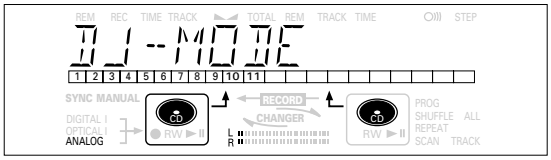
- If you want to see the information about the other deck, press the CDR key or the CD key in the display frame.



Playing CDs on Deck 1 and/or Deck 2 (DJ mode)

With this double deck it is possible to play the CD recorder deck and/or the CD player deck individually (at the same time). In this case the extra CD output must also be connected to an amplifier.

1 Select DJ mode using the DJ MODE key.
➜ DJ MODE appears on the display and ⅃ ⅂ lights up.



2 On the deck you want to play, press PLAY/PAUSE ▶ II to start CD play.
➜ ▶ lights up and the track number and track time of the track in play appear on the display.

- You can also play the two decks at the same time. By pressing the CDR key or the CD key you can choose the deck you want to listen to.

- Press DISPLAY once, twice or three times to see:
➜ Remaining track time, total remaining time, permanent text information (see Menu mode).

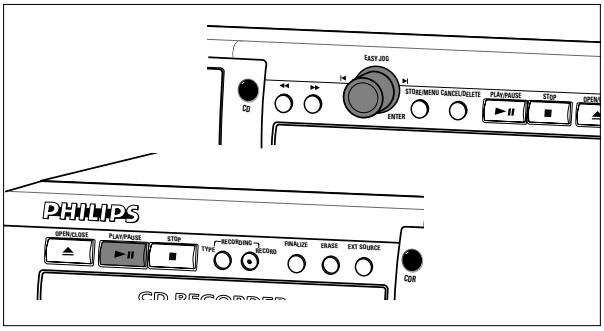
- To interrupt play temporarily, press PLAY/PAUSE ▶ II again.
➜ II lights on the display.

- To continue play, press PLAY/PAUSE ▶ II again.

3 To stop play, press STOP ■.
➜ The number of tracks and the total playing time appear on the display. If you want to see this information about the other deck, press CDR or CD.

English

Selecting a track



Selecting a track during play

1 Turn the EASY JOG/ENTER key until the required track number appears on the display.
➜ Play skips to the beginning of the selected track.
or
Select CDR or CD on the remote control and key in the required track number using the numerical keys on the remote control. For 2-digit track numbers, press the keys in rapid succession. For tracks on the other disc, first press CD or CDR as applicable.
➜ Play skips to the beginning of the selected track.
or
Press ⏮ or ⏭ on the remote control one or more times.
➜ Play skips to the beginning of the present, previous or subsequent tracks, including tracks on the disc in the other deck. (Changer mode only.)

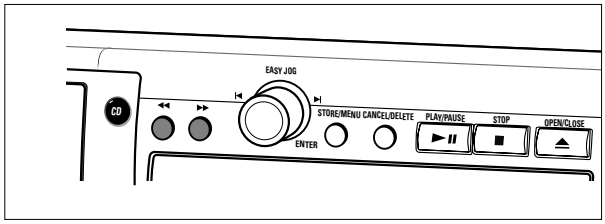
Selecting a track when CD play is stopped

1 Turn the EASY JOG/ENTER key until the required track number appears on the display.

2 Press EASY JOG/ENTER or ENTER on the remote control to confirm or press PLAY/PAUSE ▶ II to start playing.
or
1 Select CDR or CD on the remote control and key in the required track number using the numerical keys. For 2-digit track numbers, press the keys in rapid succession. Play starts.
or
1 Briefly press ⏮ or ⏭ one or more times.

2 Start playback by pressing PLAY/PAUSE ▶ II, EASY JOG/ENTER or ENTER on the remote control.

Search



1 Hold down ◀◀ or ▶▶ (in play mode).
➜ The player first searches backwards or forwards at 10 times normal speed with sound at low volume, then goes to 50 times normal speed with sound muted.

2 Release the button at the desired passage.
➜ Play starts at the desired passage.

Note: During Shuffle, Repeat Track or Programmed play, search is restricted to within the track being played at the time.

Shuffle (random order) play

Only in Changer mode

1 Select Changer mode, if necessary, using the DJ MODE key.

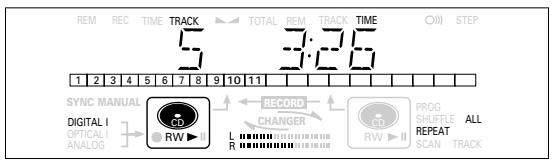
2 Press SHUFFLE before or during CD play to start shuffle play.
➜ The tracks on the CD (or program if set) play in random order.

3 Press SHUFFLE again to disable the Shuffle mode.
➜ CD recorder goes to Stop mode.

Note: Shuffle is also cleared if you open the disc tray.

Repeat CD, track or program

1 Press REPEAT one or more times during CD play.
➜ When **REPEAT TRACK** lights up, the current track plays repeatedly. When **REPEAT ALL** lights up, the disc or program plays repeatedly.



2 To return to normal play, press REPEAT one or more times until:
➜ **REPEAT** label disappears from the display.

Note:
*- You can use shuffle in combination with **REPEAT ALL** or programmed play of the 2-disc changer.*
*- **REPEAT** is also cleared if you open the disc tray.*

English

Remarks about programming

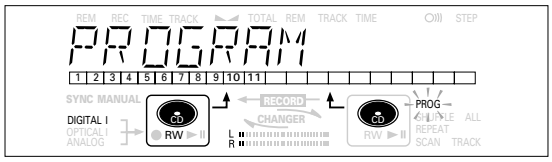
- You can program up to 99 tracks to play in any desired sequence.
- Tracks can be programmed more than once, but each time counts as a track.(**STEP**)
- A program for playback can be made from both the disc in the recorder deck and the disc in the player deck. A program for recording can only be made from the disc in the player deck.

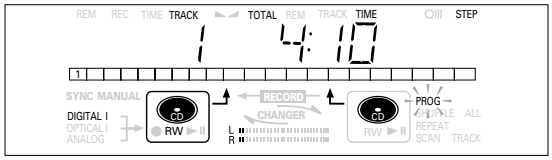
Programming for playback

1 Select Changer mode or DJ mode using the DJ MODE key.
➜ CHANGER or DJ MODE appears on the display.

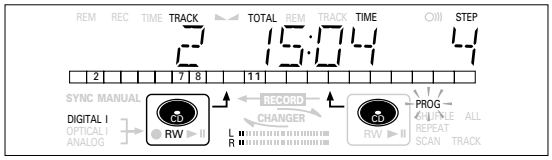
2 Press CDR or CD to select the required deck.
➜ Selected key lights up.

3 Press PROG(ram) to enter Program mode.
➜ **PROG** flashes and PROGRAM followed by track information appears on the display.





4 Select the required track numbers by turning the EASY JOG/ENTER key left or right and store by pressing ENTER.



or:
Key in a track number with the number keys on the remote control and press ENTER to confirm. For 2-digit numbers, press the keys in rapid succession.
➜ The track will be stored in the program.
➜ The track number, total program time and the number of programmed tracks (**STEPS**) are displayed.

5 Repeat step **4** for all tracks to be programmed.

6 Press STOP or PROG(ram) to end programming.
➜ **PROG** lights continuously.

7 Press PLAY/PAUSE ▶ **II** to start programmed play.

Programming for recording

1 Press RECORDING-TYPE to select the required recording mode (see 'Recording').

2 Compile your programme as described in "programming for playback". (steps **3** to **5**)

- Only tracks from the disc in the CD player can be stored.

3 Press RECORDING-RECORD to start recording.

Note:
- To review the program, press PROG(ram), followed by ◀◀ or ▶▶ with the CD player or CD recorder in stop mode.
*- To add more tracks to the program, repeat steps **1** to **7**.*
- If you try to store more than 99 tracks, PROG FULL appears on the display.

Clearing a program

1 Press STOP ■ if necessary to stop programmed play.

2 Press STOP ■ again to clear the program.
➜ **PROG** disappears from the display.

- The program is also cleared if you open the disc tray.

Erasing a track from a program

1 In Stop mode press PROG(ram) to enter Program mode.

2 Use ◀◀ or ▶▶ to select the track that has to be deleted.
➜ The track number and program step will be shown on the display.

3 Press CANCEL/DELETE to erase the track from the program.
➜ The remaining program steps and the remaining playing time of the program will be displayed.

4 Repeat step **2** and **3** for all tracks to be erased.

5 Press STOP ■ or PROG(ram) to end erasing.
➜ **PROG** lights continuously.

English

Remarks about Menu mode

- In Menu mode you will have access to a number of features which are not available via the regular keys (on the deck's front and the remote control).
- The TEXT submenus (A-B) allow you to give names to discs and tracks. The disc and track names will be displayed during playback.
- In the RECORDING submenus (D-E) you can set Auto Track and Balance.
- All settings (except Balance) made in Menu mode will be stored in the deck's memory and can be called up and changed at any time.

General operation of Menu

Menu active in Recording or Stop mode.

1 When using the remote control select first CDR.

2 Press STORE/MENU on the deck or the remote control to enter Menu mode.
➜ TEXT EDIT appears on the display.

3 Rotate EASY JOG/ENTER to select the required submenus.

4 Press EASY JOG/ENTER to confirm selections.

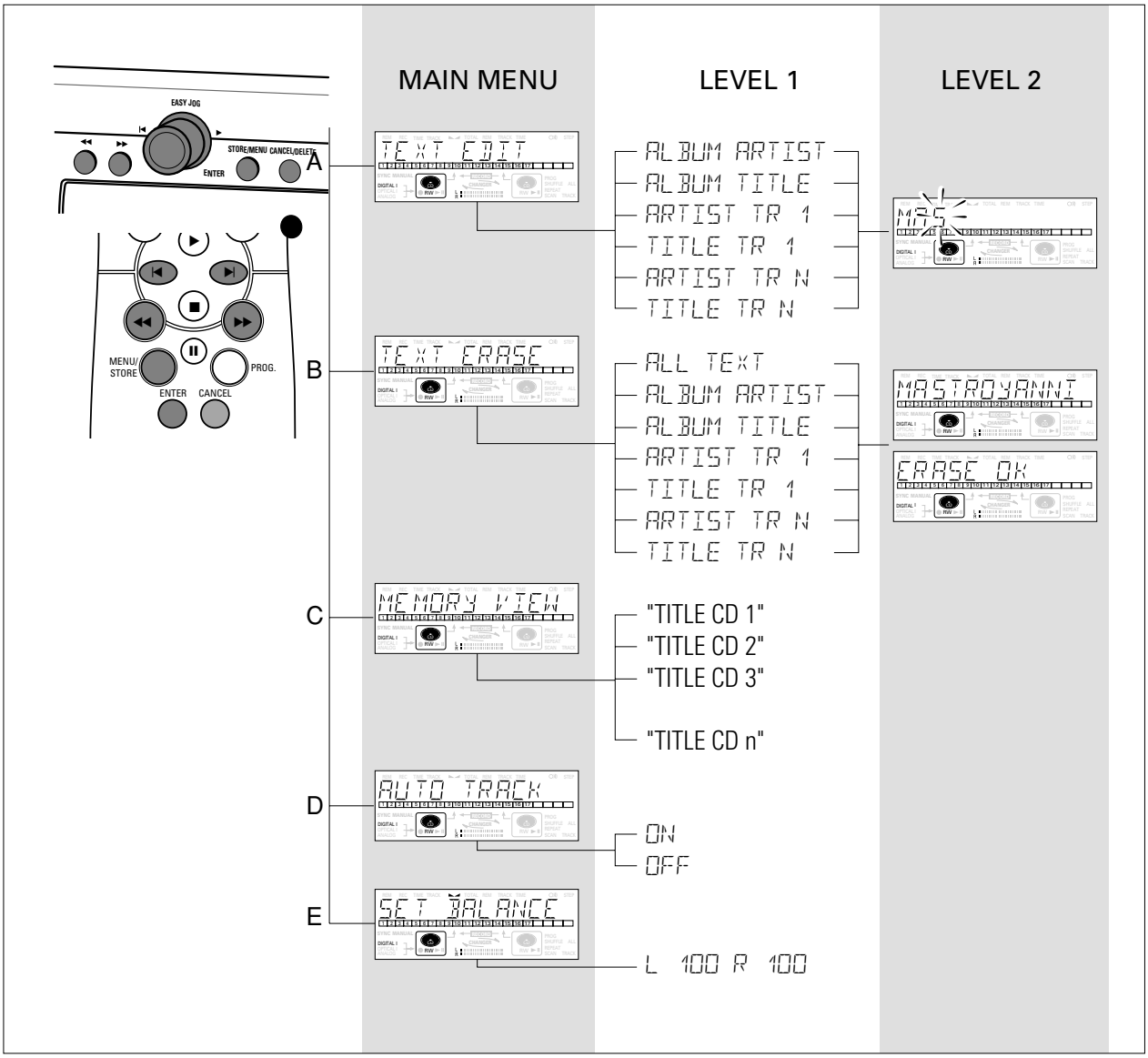
5 Rotate EASY JOG/ENTER to select options in the submenus.

6 Press EASY JOG/ENTER to confirm selections.

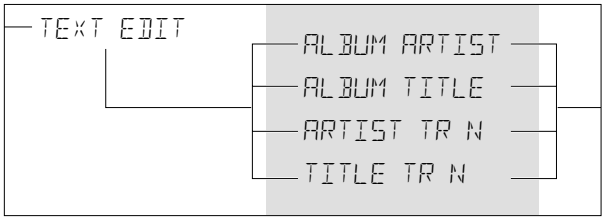
7 Press STORE/MENU to store settings and return to the submenu.

8 Press STOP ■ to store settings and exit Menu mode.

Note: Text can only be edited for unfinalised discs. (Finalised CDRW discs must be unfinalised first.)



A. Text input / text edit



CD Text can be added to a recording or changed.This can be done in Stop mode or during recording.

Text will be stored in the recorder memory and can be edited until the CDR is finalised. Text on a (unfinalised) CDRW can be edited at any time.

1 Press STORE/MENU.
➜ *TEXT EDIT* appears on the display.

2 Press EASY JOG/ENTER to confirm.
➜ *ALBUM ARTIST* appears on the display.

3 Rotate EASY JOG/ENTER to select the required option in the submenu: *ALBUM ARTIST*, *ALBUM TITLE*, *ARTIST TR 1*, *TITLE TR 1*, etc.

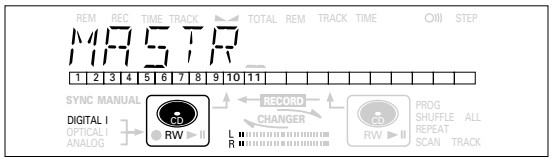
4 Press EASY JOG/ENTER to confirm.
➜ The first character space appears on the display.

5 Select the characters by rotating the EASY JOG/ENTER key or by pressing the corresponding numeric/alphabet key on the remote control.

6 Press EASY JOG/ENTER to store each character and move to the next cursor position.

- With the ◀◀ ▶▶ keys you can move to a required cursor position.

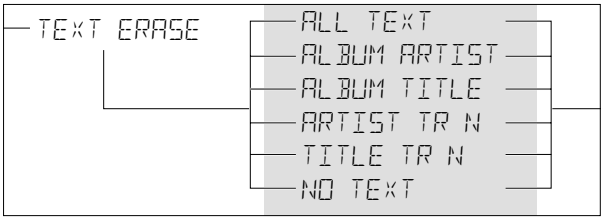
- With the CANCEL key you can delete a character.



7 Press STORE/MENU to store a name you have entered and return to the submenu resume at **3** or STOP ■ to exit.

Note:
- A maximum of 60 characters can be stored per item.
- By pressing the EASY JOG/ENTER key or ENTER on the remote control without selecting a character first, you can insert a space between characters.
- When an artist's name has been stored for a certain track, the name will automatically be copied for the next track. The name can be confirmed by pressing STORE/MENU or a new name can be entered as described above.

B. Erasing text / text erase



1 Press STORE/MENU.
➜ *TEXT EDIT* appears on the display.

2 Rotate the EASY JOG/ENTER key to select the TEXT ERASE submenu.
➜ *TEXT ERASE* appears on the display.

3 Press EASY JOG/ENTER to confirm.
➜ If text is available *ALL TEXT* appears on the display. (When there is no text available the message *NO TEXT* appears on the display.)

4 Rotate EASY JOG/ENTER to select the required option in the submenu: *ALL TEXT*, *ALBUM ARTIST*, *ALBUM TITLE*, *ARTIST TR 1*, *TITLE TR 1*, etc.

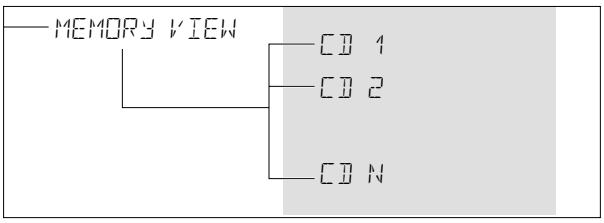
5 Press EASY JOG/ENTER to confirm.
➜ The display will ask you to reconfirm your selection. *ERASE OK* appears on the display.

6 Press EASY JOG/ENTER to reconfirm.
➜ *UPDATE* appears on the display.

7 Press STORE/MENU to return to the submenu or STOP ■ to exit.

English

C. Reviewing CD Text in memory / memory view



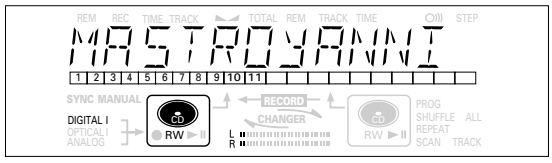
CD Text is stored in the recorders memory. When a CDR(W) will be finalised the CD Text will be written on the disc and removed from the recorders memory. With the MEMORY VIEW function one can view/delete the CD Text in the recorders memory per unfinalised disc. The amount of memory used is displayed each time the tray opens with an unfinalised CDR(W) inserted.
(e.g. MEMORY 90%)

1 Press STORE/MENU.
➜ TEXT EDIT appears on the display.

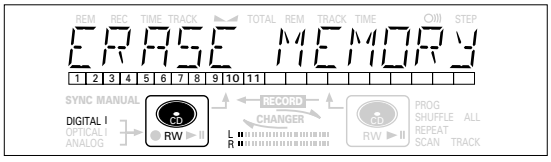
2 Rotate the EASY JOG/ENTER key to select the MEMORY VIEW submenu.
➜ MEMORY VIEW appears on the display.

3 Press EASY JOG/ENTER to confirm.
➜ The first album title in the recorder memory appears on the display.

4 Select the album title you wish to erase by rotating the EASY JOG/ENTER key.



5 Press EASY JOG/ENTER to confirm.
➜ ERASE MEMORY appears on the display.

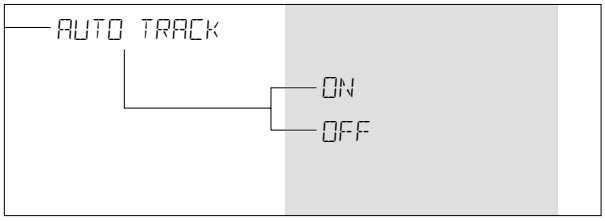


6 Press the EASY JOG/ENTER key to confirm the erasure of the text for that particular disc.
➜ UPDATE appears on the display.

7 Press STORE/MENU to return to the submenu or STOP ■ to exit.

Note:
- *If there are no discs in the memory, the message MEMORY EMPTY appears on the display.*
- *When the text memory of your CD recorder is full, the message MEMORY FULL will appear, followed by FINALIZE CD. If you want to add a CD to the list of discs for which text is stored, you have to erase a disc from this list or finalise another disc. ("for which text is stored")*
- *MEMORY FULL/FINALIZE CD may also appear when unfinalising a CDRW disc for which text was stored (see 'Unfinalising CDRW discs'). The same action(s) should be taken in order to obtain memory space.*

D. Auto track increment / auto track



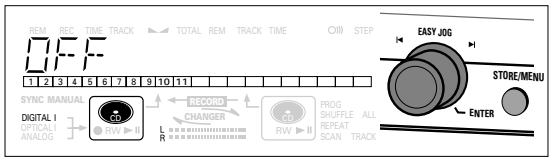
1 Press STORE/MENU.
➜ TEXT EDIT appears on the display.

2 Rotate the EASY JOG/ENTER key to select the AUTO TRACK submenu.
➜ AUTO TRACK appears on the display.

3 Press EASY JOG/ENTER to confirm.
➜ ON appears on the display.

4 Turn the EASY JOG/ENTER key to select Auto track ON or OFF.

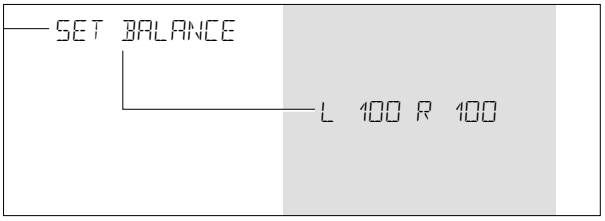
- When ON is selected, track numbers will be automatically incremented during recording.
- When OFF is selected, you can number the recorded tracks yourself.



5 Press EASY JOG/ENTER to confirm.
➜ AUTO TRACK appears on the display.

6 Press STORE/MENU to store settings and return to the submenu or STOP ■ to exit.

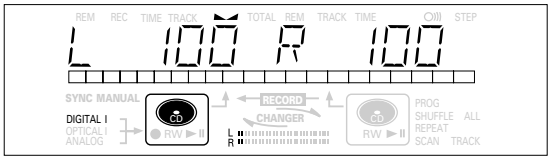
E. Balance (only active in Record/Standby mode)



1 Press STORE/MENU.
➜ TEXT EDIT appears on the display.

2 Rotate the EASY JOG/ENTER key to select the SET BALANCE submenu.
➜ SET BALANCE appears on the display.

3 Press EASY JOG/ENTER to confirm.
➜ ◣◢ and L 100 R 100 appear on the display.



4 Adjust recording balance by turning the EASY JOG/ENTER key.

- Turn left: the figure left (◣) counts down, right counts up.
- Turn right: the figure right (◢) counts down, left counts up.

5 Press EASY JOG/ENTER to confirm.

6 Press STORE/MENU to store settings.

Note: The balance setting will not be stored permanently.

English

TROUBLESHOOTING

If your CD recorder is defective, it is wise to check this list first. You may have forgotten a simple step.

Warning!

Under no circumstances should you attempt to repair the CD recorder yourself as this will invalidate the guarantee.

SYMPTOM • possible solution:

No power
- ensure that the POWER ON/OFF button is on (red led on): the CD Recorder is in standby mode, press any key to activate it.
- ensure that the mains cable is plugged in correctly.
- switch the recorder OFF and then immediately back ON.

Auto track does not work
- check if auto track on is selected in the menu.
- check if there are 2.7 seconds silence in between the tracks (analogue recording only).
- check if the source is a consumer source with the digital output according to the IEC audio standard.
- source is DVD player (no track information).

No sound
- check the audio connections.
- if using an amplifier, try using a different source.

Amplifier sound is distorted
- check that the CD recorder analogue output is not connected to the amplifier Phono input.

Play will not start
- ensure that the label of the CD is facing up
- clean the disc.
- check that the disc is not defective by trying another disc.

Remote control does not work
- point the remote control towards the CD recorder.
- check the batteries and replace if necessary.
- select the correct source first.

Will not record
- clean the disc.
- check if CDR(W) is an unfinalised disc.
- check that the disc is recordable and replace if necessary.
- the disc is not an AUDIO disc (WRONG DISC).
- wrong input source chosen. Input label flashing (CHECK INPUT).
- text memory full (MEMORY FULL / FINALIZE CD). When a CDRW has to be unfinalised for recording. Erase text for other disc(s) or finalise other disc(s) to obtain memory space.
- total remaining time not sufficient, try programming tracks (see programming).

Recording is distorted
- make sure the recording level is correct.

20 second pause between recordings
- see Autostart recording from external CD player (CD-SYNC).

Player does not react
- switch the POWER ON/OFF button on the front of the player off and back on.

DISC RECOVER **on display**
- a power failure has occurred during recording, the CD recorder is attempting to repair the disc.
- if DISC ERROR then appears on the display, the disc cannot be recorded further, and cannot be finalised. But it can still be played on the CD recorder or another CD recorder.
- on a CDRW disc, the track being recorded is lost, but further recording and finalization can still be done.